

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1311010

Luminaire Tested: LDSQA3D02R359040DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311010  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R359040DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

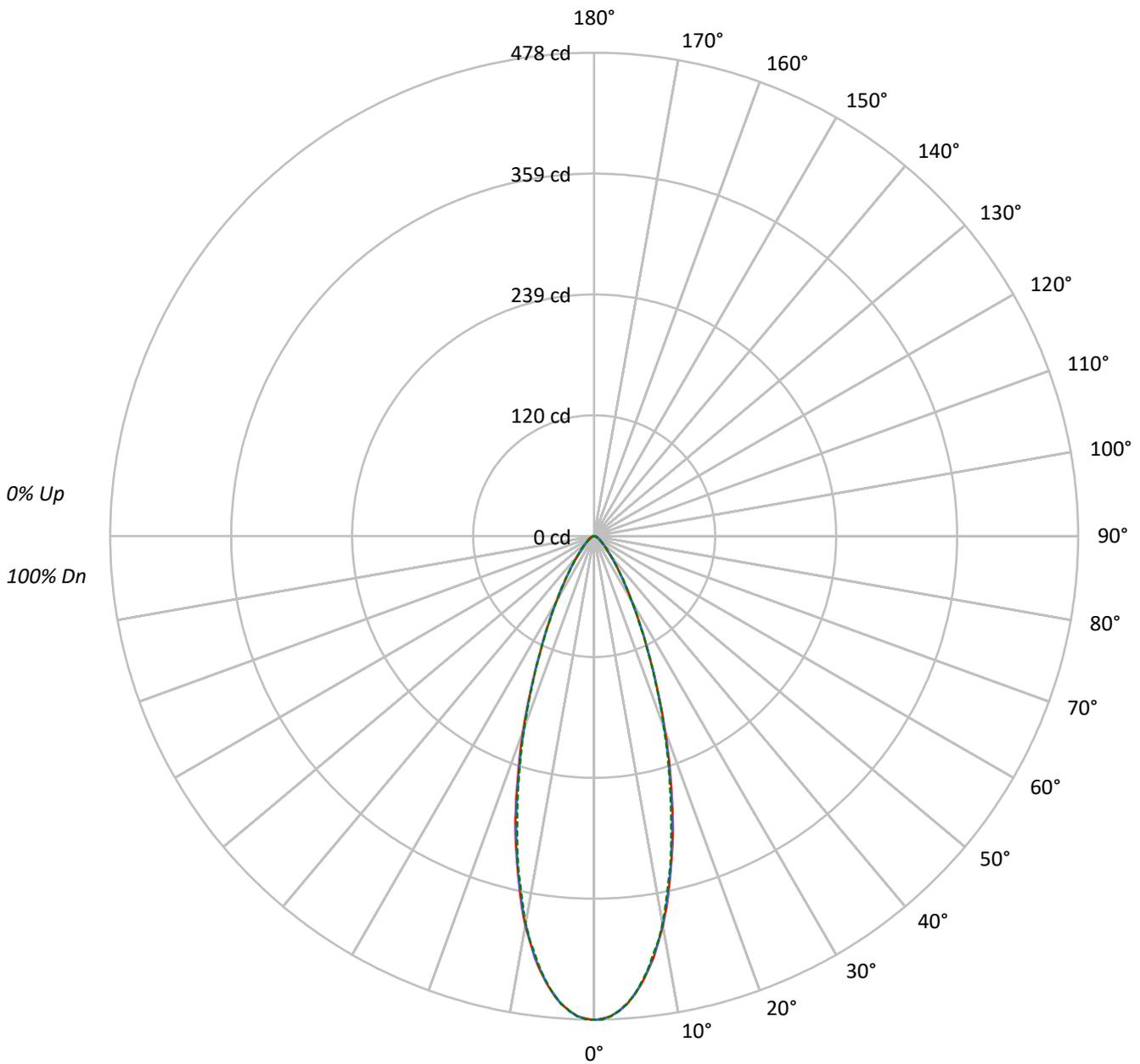
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 236.0 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 95  | 95  | 94  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 89  | 89  | 87  | 87  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 83  | 83  | 83  | 82  | 82  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 78  | 78  | 77  | 77  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 74  | 74  | 73  | 73  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  | 78  | 74  | 70  | 76  | 73  | 70  | 70  | 70  | 69  | 69  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 66  | 66  | 65  | 65  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 63  | 63  | 62  | 62  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 60  | 60  | 59  | 59  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 57  | 57  | 56  | 56  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 82409 | 82409 | 82409 |
| 5°  | 78747 | 78609 | 78747 |
| 10° | 68360 | 68133 | 68046 |
| 15° | 53579 | 53151 | 52313 |
| 20° | 37480 | 37150 | 36912 |
| 25° | 23810 | 23943 | 23810 |
| 30° | 14656 | 14776 | 14656 |
| 35° | 9062  | 9125  | 9125  |
| 40° | 5755  | 5823  | 5823  |
| 45° | 3897  | 3946  | 4019  |
| 50° | 2813  | 2867  | 2867  |
| 55° | 2192  | 2192  | 2192  |
| 60° | 1791  | 1791  | 1791  |
| 65° | 1589  | 1589  | 1589  |
| 70° | 1460  | 1460  | 1460  |
| 75° | 1198  | 1198  | 1198  |
| 80° | 992   | 992   | 992   |
| 85° | 593   | 593   | 988   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 4019 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 41.4   | 17.5      |
| 10°-20°   | 81.4   | 34.5      |
| 20°-30°   | 58.8   | 24.9      |
| 30°-40°   | 28.3   | 12.0      |
| 40°-50°   | 13.1   | 5.5       |
| 50°-60°   | 6.7    | 2.9       |
| 60°-70°   | 3.9    | 1.6       |
| 70°-80°   | 2.0    | 0.8       |
| 80°-90°   | 0.5    | 0.2       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 181.5  | 76.9      |
| 0°-40°    | 209.8  | 88.9      |
| 0°-60°    | 229.7  | 97.3      |
| 0°-90°    | 236.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 236.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 478 | 478   | 478 | 478   | 478 |      |
| 5°  | 456 | 457   | 455 | 455   | 456 | 41   |
| 15° | 300 | 300   | 298 | 297   | 293 | 82   |
| 25° | 125 | 126   | 126 | 126   | 125 | 59   |
| 35° | 43  | 43    | 43  | 43    | 43  | 28   |
| 45° | 16  | 16    | 16  | 16    | 16  | 13   |
| 55° | 7   | 7     | 7   | 7     | 7   | 7    |
| 65° | 4   | 4     | 4   | 4     | 4   | 4    |
| 75° | 2   | 2     | 2   | 2     | 2   | 2    |
| 85° | 0   | 0     | 0   | 0     | 0   | 0    |
| 90° | 0   | 0     | 0   | 0     | 0   | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 478.5 | 478.5 | 478.5 | 478.5 | 478.5 |
| 1°    | 477.2 | 478.0 | 477.8 | 478.0 | 477.8 |
| 2°    | 474.9 | 475.4 | 474.9 | 475.1 | 475.1 |
| 3°    | 469.9 | 470.4 | 470.4 | 470.2 | 469.9 |
| 4°    | 463.9 | 465.2 | 463.9 | 464.2 | 463.4 |
| 5°    | 455.5 | 456.6 | 454.7 | 455.0 | 455.5 |
| 6°    | 445.3 | 445.6 | 445.1 | 444.8 | 444.3 |
| 7°    | 433.6 | 434.6 | 432.8 | 433.0 | 432.5 |
| 8°    | 421.0 | 420.7 | 420.7 | 419.7 | 418.1 |
| 9°    | 405.8 | 406.9 | 405.3 | 404.8 | 405.1 |
| 10°   | 390.9 | 390.9 | 389.6 | 388.3 | 389.1 |
| 11°   | 373.9 | 373.4 | 372.6 | 370.8 | 370.3 |
| 12°   | 355.4 | 356.4 | 354.1 | 353.3 | 351.4 |
| 13°   | 336.3 | 337.9 | 336.8 | 333.9 | 334.2 |
| 14°   | 318.5 | 317.5 | 316.7 | 316.1 | 314.3 |
| 15°   | 300.5 | 299.9 | 298.1 | 296.8 | 293.4 |
| 17.5° | 251.0 | 251.6 | 248.2 | 247.6 | 246.3 |
| 20°   | 204.5 | 202.9 | 202.7 | 202.9 | 201.4 |
| 22.5° | 161.3 | 162.9 | 161.1 | 161.3 | 160.3 |
| 25°   | 125.3 | 125.5 | 126.0 | 126.0 | 125.3 |
| 27.5° | 97.3  | 97.3  | 96.8  | 97.3  | 96.5  |
| 30°   | 73.7  | 73.7  | 74.3  | 74.8  | 73.7  |
| 32.5° | 57.0  | 57.0  | 57.0  | 57.3  | 57.5  |
| 35°   | 43.1  | 43.1  | 43.4  | 43.4  | 43.4  |
| 37.5° | 33.2  | 33.5  | 33.7  | 33.7  | 33.7  |
| 40°   | 25.6  | 25.9  | 25.9  | 26.1  | 25.9  |
| 42.5° | 20.4  | 20.4  | 20.4  | 20.7  | 20.7  |
| 45°   | 16.0  | 16.2  | 16.2  | 16.5  | 16.5  |
| 47.5° | 13.1  | 13.1  | 13.1  | 13.3  | 13.3  |
| 50°   | 10.5  | 10.7  | 10.7  | 10.7  | 10.7  |
| 52.5° | 8.6   | 8.6   | 8.9   | 8.9   | 8.9   |
| 55°   | 7.3   | 7.3   | 7.3   | 7.3   | 7.3   |
| 57.5° | 6.0   | 6.3   | 6.3   | 6.3   | 6.3   |
| 60°   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   |
| 62.5° | 4.4   | 4.4   | 4.4   | 4.4   | 4.4   |
| 65°   | 3.9   | 3.9   | 3.9   | 3.9   | 3.9   |
| 67.5° | 3.1   | 3.4   | 3.4   | 3.4   | 3.4   |
| 70°   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   |
| 72.5° | 2.1   | 2.4   | 2.4   | 2.4   | 2.4   |
| 75°   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   |
| 77.5° | 1.6   | 1.3   | 1.3   | 1.3   | 1.6   |
| 80°   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |
| 82.5° | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |
| 85°   | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.3   | 0.3   |



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**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)